

Title (en)

Power generation system of ship

Title (de)

Stromerzeugungssystem für Schiffe

Title (fr)

Système de production d'énergie électrique pour bateau

Publication

EP 1889782 B1 20090826 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1889782A1] The invention involves a power generation system of a vessel comprising an internal combustion engine (202, 302) having a crankshaft (202a, 302a), a flywheel (221, 321) disposed on the crankshaft (202a, 302a) and a transmission (203, 303) for propelling the vessel, having an input shaft (203a, 303a) to be connected to the crankshaft (202a, 302a). The system further comprises an electric power generator (210, 310) disposed on a drive train from the flywheel (221, 321) to the transmission (203, 303) for propelling the vessel, the electric power generator (210, 310) including a permanent magnet (212, 312) used as a rotor of the electric power generator (210, 310), and a rotary member (224, 324) to which the permanent magnet (212, 312) is attached, wherein the rotary member (224, 324) is detachably connected to both of the flywheel (221, 321) and the input shaft (203a, 303a) of the transmission (203, 303). The invention is characterized by an elastic joint (225, 325) assembled with the rotary member (224, 324), wherein the rotary member (224, 324) is connected to the input shaft (203a, 303a) of transmission (203, 303) through the elastic joint (225, 325).

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Cited by

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